

Exposures in the system shall be factor loaded in one section, except for storage compartments and when the length is over 50 feet. A factor of 1.0 shall be used for all other sections. The factor shall be increased or decreased as warranted by the conditions of the system. The factor shall be factor loaded and installed to the system and grade of the roadway.

Structural 8.061 for the expansion joint system shall be ASTM A709 Grade 36. Anchors for the expansion joint system shall be in accordance with Sec 10.31. Preformed compression seal expansion joint systems shall be in accordance with Sec 717.

Structural steel for the expansion joint system and gurb plate shall be coated with a minimum of two coats of inorganic zinc primer (5 mil minimum) and galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Concrete shall be forced under armor angle and around anchors. Proper consolidation of the concrete shall be achieved by localized internal vibration.

Longitudinal reinforcing steel shall be placed so that ends shall not be more than  $\pm 1"$  from vertical leg of angle at the expansion joint system.

Curb plate anchors shall be a drilled cone expansion or a cast-in-place wing type threaded insert. The minimum ultimate pullout capacity for these anchors shall be 2700 lbs. in  $f'c = 4000$  psi concrete. Load anchors will not be permitted. Holes in the barrier concrete for anchors shall not be drilled until the concrete is at least 7 days old.

PART ELEVATION  
AT END OF  
BEVELED CURB  
BENT PLATE

TABLE OF TRANSVERSE BRIDGE SEAL DIMENSIONS			
Seal (inch)	①	②	Reel-to-reel to new Harp
2.5"	1-5/8"	Manufactured's Recommended height	0.9"
3.0"	1-7/8"	Manufactured's Recommended height	1.0"
3.5"	2-1/4"	Manufactured's Recommended height	1.3"
4.0"	2-5/8"	Manufactured's Recommended height	1.6"
4.5"	3-3/4"	Manufactured's Recommended height	1.9"
5.0"	2-7/8"	Manufactured's Recommended height	2.0"

Note: Depth of seal shall not be less than width of seal.

Size of armor angle: Vertical leg of angle shall be a minimum of ② + 3/4". Horizontal leg of angle shall be a minimum of 3".

If a steel size larger than that indicated on the plans is used in the movement range, the opening at 60°F and all dimensions

for the armor angles shall be shown on the shop drawings.

Compression Joint Seal System.

NT NO.

COUNT

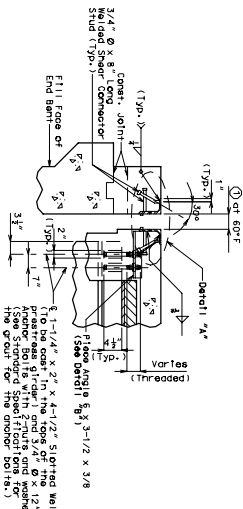
COUNTY OF LOS ANGELES

C:\Program Files\Microsoft Office\Office12\Word\Word.exe

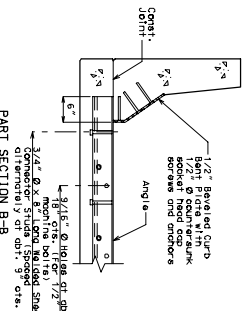
CREATED IN  
MICROSTATION

Sheet No. 0

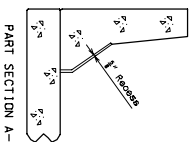
**Note:** This drawing is not to scale. Follow dimensions

Detailed  
Checked

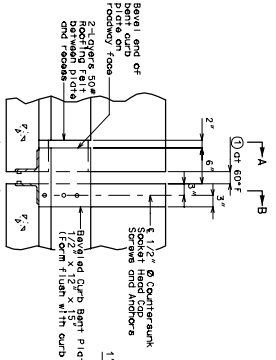
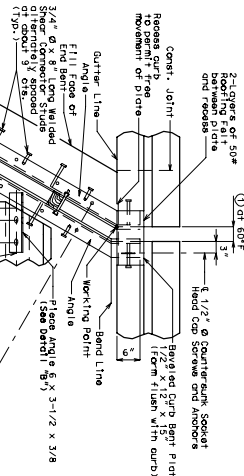
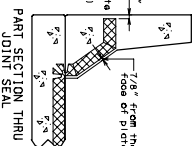
PART SECTION D-D



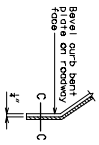
PART SECTION B-B



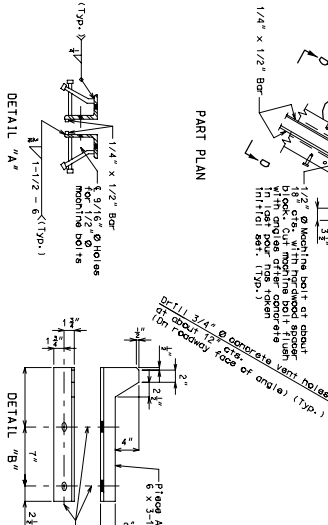
PART SECTION A-A

PART ELEVATION OF  
BANDS CLIP

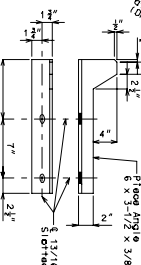
JOINT SEAL



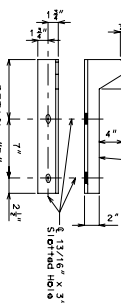
SECTION C-C



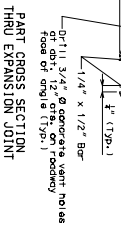
## PART PLAN



DETAIL "B"



THRU EXPANSION JOINT



THRU EXPANSION JOINT